

# TOP TREE

## HERBS

### Certificate of Analysis: Red Bali *Mitragyna speciosa*

#### Lot Information

Lot#	PDXARL-110321B
Lot Size	500kg
Expiration Date	02/16/2024
Appearance	Green/Red Crushed Leaf
Odor	Compares to Standard
Taste	Compares to Standard

#### Treatment Information

Type	N/A
Date of Treatment	N/A
Temperature	N/A
Duration	N/A

The temperature was held for the duration at the core of the product.

#### *Mitragyna speciosa*

	Result	Method	Limit Standards
Mitragynine %	0.936%	Japanese Association of Forensic Toxicology (2009) 27:67-74	KRKN
7-Hydroxymitragynine	>0.01%, <1%	Japanese Association of Forensic Toxicology (2009) 27:67-74	KRKN
Kavain	N/A	Japanese Association of Forensic Toxicology (2009) 27:67-74	N/A

#### Microbiology Profile

Aerobic Plate Count (APC)	PASS	AOAC 990.12 (APC)	AHPA
E. Coli	PASS	AOAC 991.14	AHPA
Yeast	PASS	AOAC 997.02 (Petrifilm)	AHPA
Mold	PASS	AOAC 997.02 (Petrifilm)	AHPA
Enterobacteriaceae	PASS	AOAC.2003.01	AHPA
Salmonella spp	Negative	AOAC RI 050701	AHPA

#### Heavy Metals Profile

Arsenic	PASS	AOAC 2013.06 (mod) 1	AHPA
Cadmium	PASS	AOAC 2013.06 (mod) 1	AHPA
Lead	PASS	AOAC 2013.06 (mod) 1	AHPA
Mercury	PASS	AOAC 2013.06 (mod) 1	AHPA

Trace metal in food by inductively Couple Mass Spectrometry

Approved Signatory: Quality Manager

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